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AN - 118:240956 CA
TI - Solid dispersions containing thiazolidines
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SO - Jpn. Kokai Tokkyo Koho, 9 pp.
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CC - 63-6 (Pharmaceuticals)
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GI -

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AB Solid dispersions contain thiazolidines I [R1, R4 = H, alkyl; R2, R3 = H, alkyl, alkylcarbonyl, CO2H, alkoxy, sulfoxy, halo; W = CH2, CO, :C:NOH; n = 1-3] or their salts dispersed in water-sol. polymers. The dispersions show good bioavailability. 5-[4-(6-Hydroxy-2,5,7,8-tetramethylchroman-2-methoxy)benzyl]thiazolidine-2,4-dione (II) (20 g) and 20 g poly(vinylpyrrolidone) were dissolved in a mixt. of 100 g acetone and 100 g EtOH and the soln. was sprayed on 200 g croscarmellose Na to make granules. Dogs were administered with capsules contg. the granules (at 5 mg/kg p.o. as II) to show AUC (area under the curve) of 4.91 .mu.g.h/mL II in the blood, vs. 2.12 .mu.g.h/mL, for controls administered with capsules contg. powder made by mixing II, poly(vinylpyrrolidone), and croscarmellose Na.

ST thiazolidine dispersion polymer bioavailability
IT Drug bioavailability
(of thiazolidines, from solid dispersions contg. water-sol. polymers)

IT Pharmaceutical dosage forms
(oral, dispersions, of thiazolidines, water-sol. polymers in, with good bioavailability)

IT 97322-87-7
RL: BIOL (Biological study)
(solid dispersions contg. water-sol. polymers and, with good bioavailability)

IT 9003-39-8, Poly(vinylpyrrolidone) 9004-65-3, TC-5E 25322-68-3, Polyethylene glycol
RL: BIOL (Biological study)
(solid thiazolidine dispersions contg., with good bioavailability)

